Participant Questionnaire

Participant number:	6				Date: <u>6/20/202</u>	2.3
Location: Bre	scia	TI				
HRC Study / Algorith	ms tested:	HAMP &	TAP-PP	F		
Study Conducted by:	Ja	red Flo	wet 8			
Participant link lengths	dimension	s: (meters , "spine" is	pelvis to shoulder	midpoint, "shoulders	s" is shoulder to should	ler)
Spine	2 "	Left Upper Arm	, 37	Right Upper Arm	.37	
Neck Shoulders	35	Left Forearm	.29	Right Forearm	. 29	
Siloulders	<i>> /</i>					
Participant joint diame	eter: (meter :	5)				
Left Elbow ,	046	Right Elbow	.098			
Left Wrist	064	Right Wrist	-065			

Questions:

- A. How safe did you feel? (0 is not safe at all, 5 is neutral, 10 is very safe)
- B. Do you think the robot hindered your motions during the task? (0 is robot completely prevented your motions, 5 is neutral, 10 is robot did not impede you motion)
- C. Did the robot perform logical motions? (0 is robot motions made no sense to you, 5 is neutral, 10 is robot motions made sense to you)
- D. What is your overall satisfaction with the HRC task? (0 is you would not work in this HRC cell again, 5 is neutral, 10 is you enjoyed working in this cell with the robot)

Participant number:	6	Date:	
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For Task 1 (engine parts): (circle your answer to each question)

Task 1, Me	ethod 1:		September 1	Winner or the second of			THE STATE OF THE S		į.	l
Question /	A: (0 is not	safe at all, 5	is neutral	10 is very	safe)					
0	1	2	3	4	5	6	(7)	8	9	10
Question B: (0 is robot completely prevented your motions, 5 is neutral, 10 is robot did not impede you motion)										
0	1	2	3	4	5	6	7	8	9	10
Question	C: (0 is robo	ot motions i	made no se	ense to you	ı, 5 is neutra	al, 10 is rob	ot motions	made sens	se to you)	
0	1	2	3	4	5	6	7.	8	9	10
Question D: (0 is you would not work in this HRC cell again, 5 is neutral, 10 is you enjoyed working in this cell with the robot)										
0	1	2	3	4	5	6	7	8	9	10

Task 1, M	ethod 2:									2
Question	A: (0 is not	safe at all,	5 is neutral	, 10 is very	safe)					
0	1	2	3	4	5	6	\bigcirc	8	9	10
Question	B: (0 is rob	ot complete	ely prevent	ed your mo	tions, 5 is r	neutral, 10	is robot did	not imped	e you motio	on)
0	1	2	3	4	5	6	7	8	9	10
Question	C: (0 is rob	ot motions	made no se	ense to you	ı, 5 is neutr	al, 10 is rob	ot motions	made sens	se to you)	
0	1	2	3	4	5	6	7	(8)	9	10
Question [): (0 is you w	vould not wo	ork in this HR	C cell again,	, 5 is neutral	, 10 is you e	njoyed worki	ng in this ce	ll with the ro	bot)
0	1.	2	3	4	5	6	(7)	8	9	10

Task 1, Me	ethod 3:									3
Question	A: (0 is not	safe at all, 5	is neutral	, 10 is very	safe)		_			
0	1	2	3	4	5	6	7	8	9	10
Question	B: (0 is rob					neutral, 10 is			you motic	on)
0	1	2	3	4	5	6	7	8	9	10
Question	C: (0 is rob	ot motions	made no se	ense to you	, 5 is neutr	al, 10 is robo	t motions	made sens	e to you)	
0	1	2	3	4	5	6	7	8	9	10
Question [): (0 is you w	ould not wo	rk in this HR	C cell again,	5 is neutral	, 10 is you enj	oyed workii	ng in this cel	I with the ro	bot)
0	1	2	3	4	5	6	7	8	9	10

Comments:

Participant number:	6	Date:	
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For Task 2 (Sharework parts: metal tabs, cylinders, pallets): (circle your answer to each question)

Task 2, Me	thod 1:									7
Question A	4: (0 is not	safe at all, !	is neutral	, 10 is very	safe)		_			
0	1	2	3	4	5	6	(7)	8	9	10
Question B: (0 is robot completely prevented your motions, 5 is neutral, 10 is robot did not impede you motion)										
0	1	2	3	4	5	6	7	8	9	10
Question (C: (0 is rob	ot motions	made no se	ense to you	, 5 is neutr	al, 10 is rob	ot motions	s made sense	e to you)	
О .	1	2	3	4	5	6	7	8	9	10
Question D: (0 is you would not work in this HRC cell again, 5 is neutral, 10 is you enjoyed working in this cell with the robot)										
0	1	2	3	4	5	6	7	(8)	9	10

Task 2, M	ethod 2:									i
Question	A: (0 is not	safe at all,	5 is neutra	, 10 is very	safe)		X			
0	1	2	3	4	5	6	7	8	9	10
Question	Question B: (0 is robot completely prevented your motions, 5 is neutral, 10 is robot did not impede you motion)									
0	1	2	3	4	5	6	7	8	9	(10)
Question	C: (0 is rob	ot motions	made no s	ense to you	, 5 is neutra	al, 10 is rob	ot motions	made sense	e to you)	\circ
0	1	2	3	4	5	6	7	(8)	9	10
Question D: (0 is you would not work in this HRC cell again, 5 is neutral, 10 is you enjoyed working in this cell with the robot)										
0	1	2	3	4	5	6	7	8	9	10

Task 2, Me	ethod 3:				V		The second second	100 to 100		Z
Question /	A: (0 is not	safe at all,	5 is neutral	, 10 is very	safe)	_	Dat Serve	3		U
0	1	2	3	4	5	6	7	8	9	10
Question I	B: (0 is robo	ot complete	ly prevent	ed your mo	tions, 5 is r	eutral, 10	is robot did	not impede	you motic	on)
0	1	2	3	4	5	6	7	8	9	10
Question	C: (0 is robo	ot motions	made no se	ense to you	ı, 5 is neutra	al, 10 is rob	ot motions	made sense	e to you)	
0	1	2	3	4	5	6	7	(8)	9	10
Question D	: (0 is you w	ould not wo	rk in this HR	C cell again,	5 is neutral,	10 is you e	njoyed work	ing in this cell	with the ro	bot)
0	1	2	3	4	5	6	7	(8)	9	10

comments: Experience: 9

Participant number:	6	Date:	